

CLAIM(S):

1. In a system for dynamically planning a maintenance check of an aircraft, a method for recording and analyzing reliability data for the aircraft, the method comprising:

obtaining and logging warranty-based reliability data from maintenance records generated during the performance of any routine or non-routine tasks that may exist, and which pertain to rotatable parts of the aircraft;

obtaining and logging maintenance program-based reliability data from maintenance records generated during the performance of any non-routine tasks that may exist;

identifying for each non-routine task, a routine task whose performance resulted in the generation of the non-routine task;

obtaining and logging maintenance program-based reliability data from maintenance records generated during the performance of any identified routine tasks that may exist; and

analyzing and reporting the warranty-based reliability data and the maintenance program-based reliability data.

2. The method of claim 1 wherein the warranty-based reliability data is reported for use in generating warranty reports for the rotatable parts of the aircraft.

3. The method of claim 1 wherein the maintenance program-based reliability data is reported for use in generating reports on modifications to an Maintenance Review Board document.

4. The method of claim 1 wherein the method is operated over a communication medium operably connected to a plurality of input/output devices each having means for inputting and outputting information.

5. The method of claim 4 wherein the communication medium is the digital communication network.

6. A system for recording and analyzing reliability data for an aircraft during a dynamically-planned maintenance check of the aircraft, the system comprising:

means for obtaining and logging warranty-based reliability data from maintenance records generated during the performance of any routine or non-routine tasks that may exist, and which pertain to rotatable parts of the aircraft;

means for obtaining and logging maintenance program-based reliability data from maintenance records generated during the performance of any non-routine tasks that may exist;

means for identifying for each non-routine task, a routine task whose performance resulted in the generation of the non-routine task;

means for obtaining and logging maintenance program-based reliability data from maintenance records generated during the performance of any identified routine tasks that may exist; and

means for analyzing and reporting the warranty-based reliability data and the maintenance program-based reliability data.

7. The system of claim 6 wherein the warranty-based reliability data is reported for use in generating warranty reports for the rotatable parts of the aircraft.
8. The system of claim 6 wherein the maintenance program-based reliability data is reported for use in generating reports on modifications to an Maintenance Review Board document.
9. The system of claim 6 wherein the system is implemented over a communication medium operably connected to a plurality of input/output devices each having means for inputting and outputting information.
10. The system of claim 9 wherein the communication medium is the digital communication network.